



Monthly Update

SEPTEMBER 2005

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The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short-Term Energy Outlook, Energy Information Administration (EIA), September 2005

Hurricane Katrina disrupted the Gulf of Mexico coast region's energy market, and thus the U.S. energy market. The Gulf area generates 1.5 million barrels per day of Federal offshore oil crude production (29 percent of total U.S. production), 8.0 million barrels per day (47 percent of total U.S. oil production), and 10 billion cubic feet per day (bctd) offshore natural gas (19 percent of total U.S. production). Due to direct damage to and personnel evacuations from offshore rigs, refineries, and ports in the Gulf of Mexico, Katrina initially reduced oil supplies by 1.4 million barrels per day and natural gas supplies by an estimated 8.8 bctd. The U.S. Government has taken reparative actions, including making crude oil available from the Strategic Petroleum Reserve. The International Energy Agency has directed member nations to produce and to make available to the market an extra two million barrels of oil per day. DOE's Office of Electricity, Delivery and Energy Reliability (OE) has issued a series of situation reports and maps for areas impacted by hurricanes, which are available at

http://www.electricity.doe.gov/program/electric_oa4.cfm?section=divisions&level2=home. EIA is also issuing a *Daily Report* on the status of energy markets in the areas affected by Hurricane Katrina. Refer to the *Daily Report* at http://tonto.eia.doe.gov/oog/special/eia1_katrina.html.

WTI crude oil averaged \$65 per barrel in August. September prices are forecast at \$67 – \$72 per barrel, depending on the speed of recovery from Hurricane Katrina. Oil production outside of the Organization of Petroleum Exporting Countries is not expected to increase.

The Henry Hub natural gas spot price is expected to average \$8.82 per thousand cubic feet (mcf) with the potential to reach \$11 to \$13 mcf, depending on the Gulf's speed of recovery.

CONGRESSIONAL ACTIVITIES

Congressional Support Sought for Energy Efficiency and Renewable Energy

On September 26, House and Senate appropriations subcommittee members received a letter urging Congress to support an increase in funding for the Department of Energy's energy efficiency and renewable energy programs. The letter, which was signed by 31 energy-related organizations and businesses **asked appropriators "to greatly increase longer-term research, development, and, particularly, deployment funding for efficiency and renewables..."** Energy efficiency and renewable energy technologies offer the best near-term and mid-term options for addressing these challenges while simultaneously creating domestic jobs, reducing greenhouse gases and regulated emissions, and enhancing national security."

The effort to influence the appropriations process was led by the Alliance for Affordable Energy. Other signatories included the American Council for an Energy Efficient Economy, the Union of Concerned Scientists, the Business Council for Sustainable Development, the American Wind Energy Association, the Geothermal Energy Association, as well as a number of state and local organizations.

HOUSE

The Committee on Resources approved The National Energy Supply Diversification and Disruption Prevention Act (no bill number) on September 28. The purpose of the bill is to:

- Encourage more renewable energy use, such as wind and geothermal power
- Expedite the development of environmentally-responsible renewable energy projects on Federal lands

No schedule has been announced for consideration of the bill by the full House.

DID YOU KNOW

The National Renewable Energy Laboratory (NREL) has partnered with the Florida Solar Energy Center (FSEC), to install solar electric charging stations in Kiln, Mississippi, to assist victims of Hurricane Katrina. Each mobile system can provide up to two kilowatts of electricity, an amount that can power large radios or a refrigerator. A smaller 600-watt portable unit is also available for mobile phones, laptop computers, and hand-held radios. NREL Director Dan Arvizu praised the project saying, "With just the light of the sun, people trying to rebuild from the terrible tragedy of Hurricane Katrina will be able to keep vital communications equipment up and running." For more information, contact

George_Douglas@nrel.gov.

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SENATE

In light of passage of the recently enacted *Energy Policy Act of 2005*, Congress has an opportunity to immediately test or implement some of the bill's provisions in the Gulf region impacted by Hurricane Katrina and Rita. For example, reconstruction officials can identify the most appropriate energy efficient equipment for installation in facilities, establish an Energy Efficiency Pilot Program for the Gulf States (Section 140), and establish a Low-Income Community Energy Efficiency Pilot Program (Section 125). **Senate Committee on Energy and Natural Resources Chairman Pete Domenici (R/NM) said, "We should not miss this opportunity to rebuild the region in an energy efficient manner so that energy costs for the people of the Gulf Coast region can be reduced.** The programs in the newly enacted Energy Bill could be targeted to the affected region and help provide resources to those seeking to rebuild using the latest and best

technology." (Source: <http://energy.senate.gov/public>)

In an effort to ease current fuel supply shortages and price increases triggered in part by Hurricane Katrina, all 22 members of the Senate Committee on Energy and Natural Resources signed a September 6 letter to President Bush **encouraging the procurement of high-efficiency or alternatively fueled vehicles for Federal fleets.** The bipartisan request called on the Federal Government to "lead by example" and curtail non-essential vehicle travel. (Source: <http://energy.senate.gov/public>)

STATUS OF PENDING APPROPRIATIONS BILLS OF INTEREST TO FEMP

Status of FY 2006 Appropriations Bills As of September 28, the House has passed all 11 of its appropriations bills and the Senate has passed 8 of its 12 bills. Refer to [Appendix A](#) for the status of these bills and to [Appendix B](#) for the summary of provisions of interest

The recent hurricanes in the Gulf region of the U.S are having an impact on the FY 2006 appropriations process. Congress is struggling with drafting an emergency supplemental and identifying offsets to provide additional resources for the reconstruction of affected areas. As a result, continued action of pending appropriations bills has been delayed. For example, the Energy and Water Development Conference Committee, which was originally expected to meet this week has been postponed until October along with action on other bills in order to move a supplemental forward.

Some Senate leaders are reportedly exploring the idea of a five percent across the board reduction in FY 2006 appropriations. But other Senators and House leaders have expressed opposition to the idea. One House leader suggested paying for reconstruction programs through a deferral program, taking funding from programs with long-term spending plans, such as the Department of Energy's environmental management program. Another option under consideration to offset reconstruction funding requirements is to delay implementation of tax

incentives provided in the recently enacted *Energy Policy Act of 2005* and the *Transportation Authorization Act*. This idea drew the immediate opposition of Senator Pete Domenici (R/NM) who led the effort to pass an energy bill this year.

The House Republican Study Committee this week released a report listing 100 Federal programs that should be eliminated or receive reduced funding. Projects cited in the report included eliminating the EnergyStar®, DOE State and Community Grants, Applied Research for Renewable Energy Sources, Clean Coal Technology, Freedom Car, and Hydrogen Fuel Initiative programs. The report also recommends level funding for the Federal Building Fund, the General Services Administration, and the Agriculture Buildings and Facilities programs.

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FEDERAL AGENCY ACTIVITIES

WHITE HOUSE

On September 26, the White House issued a Presidential Memorandum to government leaders on conserving energy in the Federal sector. President Bush visited the Department of Energy's Emergency Operation Center on Monday, September 26 for a briefing from Departmental officials on the impact Hurricane Katrina and Rita had on the Gulf region's infrastructure for natural gas, oil, and refining. Mr. Bush also met with Departmental officials on the option of drawing on the Strategic Petroleum Reserve to relieve oil shortages caused by the storms.

In his remarks at a DOE press conference, the President said:

We can all pitch in by being better conservers of energy...The federal government can help, and I've directed the federal agencies nationwide -- and here's some ways we can help. We can curtail nonessential travel. If it makes sense for the citizen out there to curtail nonessential travel, it darn sure makes sense for federal employees. We can encourage employees to carpool or use mass transit. And we can shift peak electricity use to off-peak hours. There's ways for the federal government to lead when it comes to conservation.

Memorandum for the Heads of Executive Departments and Agencies

SUBJECT: Energy and Fuel Conservation by Federal Agencies

Residents of the Gulf Coast States affected by Hurricanes Katrina and Rita have lost loved ones, lost homes, and been displaced from their communities. The Federal Government will continue to assist victims of the hurricanes. Our priority is first to save, sustain, and protect lives and then to restore important infrastructure needed for recovery.

A key component of this Administration's hurricane response plan is to ensure that sufficient supplies of natural gas, gasoline, and diesel fuel are available throughout the country, including in those areas hardest hit by the hurricane, as well as in those areas served by refineries and pipelines originating in the affected areas. Already we have made available oil from the Strategic Petroleum Reserve (SPR) to refineries that are short on supplies of crude oil, and we will continue to monitor this situation and the use

of the SPR. The Department of Energy has deployed personnel and is working with local power companies, local authorities, and State authorities to help get electricity functioning and to ensure the repair and continuity of oil and gas pipelines that may have been affected by power outages. In addition, the Environmental Protection Agency has issued temporary fuel waivers under the Clean Air Act, and the Department of Transportation has suspended "hours of service" rules for fuel tanker trucks to make additional supplies of gasoline and diesel fuel available in those areas of the country affected by the hurricane. However, **it is important that the Federal Government lead by example and further contribute to the relief effort by reducing its own fuel use during this difficult time.**

Therefore, **I hereby direct the heads of executive departments and agencies (agencies) to take appropriate actions to conserve natural gas, electricity, gasoline, and diesel fuel to the maximum extent consistent with the effective discharge of public responsibilities. All agencies should conserve fuel so we can reduce overall demand and allow extra supplies to be directed towards the hurricane relief effort.** In particular, agencies should temporarily curtail non-essential travel and other activities that use gasoline or diesel fuel, and encourage employees to carpool, telecommute, and use public transportation to reduce fuel use. **Federal agencies should also take action to conserve natural gas and electricity during periods of peak consumption by shifting energy-intensive activities to non-peak periods wherever possible and by procuring and using efficient Energy STAR-rated energy intensive appliances and products.**

In addition, agencies should review their existing operating and administrative processes and conservation programs and identify and implement ways to reduce overall fuel use. Agencies should report to me, through the Secretary of Energy, within 30 days from the date of this memorandum on the fuel conservation actions taken. Agencies shall take these and other appropriate energy and fuel conservation actions using existing budget authority.

GEORGE W. BUSH

Federal officials should check the FEMP web site at:

[HTTP://WWW.EERE.ENERGY.GOV/FEMP](http://www.eere.energy.gov/femp)

to obtain ongoing updates and resources for responding to the President's directive. In addition, FEMP will be sending out additional information as it is developed to the recipients of this newsletter.

DEPARTMENT OF DEFENSE (DOD)

No news of interest to report.

DEPARTMENT OF ENERGY (DOE)

DOE's State Energy Grant Program recently announced plans to provide 42 states with funding for 178 energy efficiency and renewable energy projects. The funding will augment annual formula grants provided to each state energy office. Specific programs and their corresponding projects include:

- **Federal Energy Management Program (3 projects totaling \$444,323) to support coordinated bulk procurement of energy for federal facilities, and regional energy reliability planning and implementation**
- **Clean Cities** (70 projects totaling \$5,444,138) to support alternative fuel vehicles (AFV) projects

- **Industrial Technology Program** (21 projects totaling \$1,997,318) to assist industry in saving energy and improving environmental performance
- **Building Codes and Standards** (19 projects totaling \$1,994,689) to encourage states to adopt, update, and implement residential and commercial building energy codes
- **Distributed Energy** to fund a Regional Application Centers for Combined Cooling, Heating and Power (CHP) for Buildings and Industrial Applications (7 projects totaling \$1,442,000); the centers will focus on the technology transfer and installation of advanced CHP technologies and targeted education and outreach projects
- **Biomass** (7 projects totaling \$512,501) to support the development of innovative state or local incentives for bio-based power, fuels, and products

For more information, visit

http://www.eere.energy.gov/state_energy_program/projects_all_state.cfm.

DOE NATIONAL LABORATORY ACTIVITIES

On September 29, Secretary Bodman named Carl Bauer the new Director of the National Energy Technology Laboratory (NETL). Mr. Bauer has been the Acting NETL Director since February 2005 and prior to that, as Deputy Director of the Laboratory.

Representatives of 12 DOE national laboratories and commercial water groups met this week to develop an energy and water efficiency roadmap. Pete Domenici (R/NM), the Chair of the Senate Committee on Energy and Natural Resources, provided the group with encouragement. The *National Energy Policy Act of 2005* includes a provision directing DOE to develop and commercialize programs to address interdependent energy and water problems. Senate Committee on Energy and Natural Resources Chairman Pete Domenici (R/NM) said, "Energy and water are interdependent. We cannot have sufficient energy without having sufficient water. The reverse is also true. Drinking water and wastewater treatment are dependent on having the energy to pump, move and treat it." DOE laboratories involved in the year-long project include Sandia National Laboratory (lead), Los Alamos National Laboratory, Lawrence Livermore National Laboratory; Lawrence Berkeley National Laboratory; National Renewable Energy Laboratory, Pacific Northwest National Laboratory, Idaho National Laboratory, Argonne National Laboratory, National Energy Technology Laboratory, Brookhaven National Laboratory, Oak Ridge National Laboratory, and Savannah River National Laboratory. For more information on the proposed roadmap, contact Mike Hightower at mmhight@sandia.gov.

The National Renewable Energy Laboratory (NREL) was recently recognized by the Federal Laboratory Consortium for Technology Transfer (FLC) for the organization's biorefining technology transfer activities. Biorefining is a method for producing fuels and chemicals from plant material. FLC commended NREL for establishing industry partnerships, which include a \$7.7 million research and development initiative with DuPont. The FLC promotes and facilitates Federal laboratory research to the private sector. For more information, contact NREL Public Affairs at 303-275-4090.

DOE recently released a \$4 million solicitation (R-05-223) for solid-state lighting (SSL) research to increase the commercial presence of energy efficient light-emitting diodes (LEDs), among other energy saving lighting system technologies. SSL products are EnergyStar® approved. The solicitation, which was announced by the National Energy

Technology Laboratory, closes on October 18. More information can be found at <http://http://www.netl.doe.gov/ssl>.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

The Green Building Engineers, a new program sponsored by the American Association of Energy Engineers (AEE), has established a goal to reduce energy use by 10 percent or more through building tune-ups, lighting upgrades, and equipment replacement. AEE partnered with EPA in its EnergyStar® Challenge to create the program, which certifies engineers with knowledge of energy efficiency principles. EPA created the EnergyStar® Challenge in March of 2005. The agency estimates that if these measures are implemented in 10 percent of existing buildings by 2015, greenhouse gas emissions reductions would be equivalent to the emissions of 15 million vehicles, saving \$10 billion. For more information, visit <http://www.energystar.gov/challenge>.

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

FERC has issued a proposed rule to repeal Public Utility Holding Company Act (PUHCA), as mandated by the *Energy Policy Act of 2005*. The rule is one of three major actions FERC has taken to implement the new law. Chairman Joseph Kelliher noted in a statement that the repeal of *PUHCA* granted FERC “new authority to protect consumers. It established an express prohibition of market manipulation. It gave us new authority to prevent the accumulation and exercise of generation market power. It gave us significant penalty authority, it authorized us to assure greater price transparency, and it required that we look at cross subsidization at the point of merger. So we have these new tools, and we will exercise them.” (Source: <http://www.ferc.gov>)

GENERAL SERVICES ADMINISTRATION (GSA)

No news of interest to report.

CENTRAL REGION

No news of interest to report.

MID-ATLANTIC REGION

No news of interest to report.

MIDWEST REGION

No news of interest to report.

NORTHEAST REGION

No news of interest to report.

SOUTHEAST REGION

The Fort Bragg Directorate of Public Works (DPW), Oak Ridge National Laboratory and Honeywell have collaborated on the installation of a prototype combined heat and power (CHP) generation system at the Army base in Fayetteville, North Carolina. The \$11 million

system is designed to achieve 70 percent efficiency and lower annual energy costs. The “ultra-efficient” prototype, in which a 5-MW gas turbine generator, heat recovery system, and absorption chiller produce both steam and chilled water, is believed to be the first of its kind. The project was financed through an Energy Savings Performance Contract (ESPC). During the past seven years, ESPC projects at the base reduced total energy costs by more than 25 percent. Gregory Bean, DPW director said, “Our success shows what can be accomplished when government and service providers share a vision...This type of partnership can achieve tremendous energy savings, reduce pollution and improve energy security.” (Source: *Business Wire*, September 07, 2005)

The Defense Energy Support Center (DESC) has amended its Request for Proposals for water and wastewater utility systems privatization at Fort Gordon Army Base, Georgia. View Amendment 0017 at <http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=217>. For more information, contact David Nemerow, Contracting Officer, at 703-767-9404 or david.nemerow@dlamail.mil.

The Tennessee Valley Authority (TVA) and Oak Ridge National Laboratory have partnered with Sunlight Direct to produce a new hybrid solar lighting system. The HSL 3000 roof-mounted 48-inch collector transfers sunlight through a control system that dims and turns up light in response to cloud movement or when the sun sets. The system reduces energy usage for lighting and cooling because of its ability to block ultraviolet and infrared heat. Currently being demonstrated at DOE’s American Museum of Science and Energy and several locations across the country, the system is scheduled to be available commercially in 2007. According to Bill Baxter of TVA, “The demonstration of this innovative, energy-saving solar hybrid lighting system that literally pipes sunlight into a room is an excellent example of how a public-private partnership can advance a promising new technology from the research laboratory to working reality.” A study conducted for DOE’s Solar Energy Technologies Program found that up to one million hybrid solar lighting systems could be in use by 2020. For more information, visit <http://www.sunlight-direct.com/index.html>.

WESTERN REGION

No news of interest to report.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

CENTRAL REGION

State or Local Government	Activity
Utah	The “Green Sticker Accord” in Utah, is encouraging residents to obtain a professional furnace tune up, and a Green Sticker verifying adjustment and continue annual safety inspections. For more information about the Green Sticker, go to http://www.questargas.com . (Source: <i>Power Marketing Association</i> , September 18, 2005)

MID-ATLANTIC REGION

No news of interest to report.

MIDWEST REGION

No news of interest to report.

NORTHEAST REGION

State or Local Government	Activity
New York	NYSEG and RG&E, subsidiaries of Energy East Corporation, filed a petition with the New York State Public Service Commission to create an emergency financial aid fund for low-income natural gas heating customers as natural gas supply prices continue to climb. Price increases are partly due to the effects of Hurricane Katrina. The companies expect a fund of up to \$22.6 million, which would benefit thousands of NYSEG and RG&E customers. (Source: <i>Power Marketing Association</i> , September 27, 2005)

SOUTHEAST REGION

State or Local Government	Activity
Tennessee	Tennessee's Attorney General, Paul Summers filed a petition against a state natural gas provider for customers in 15 counties across the state, claiming it is overcharging customers. Mr. Summers is asking the Tennessee Regulatory Authority (TRA) to determine if Atmos Energy Corporation rates are too high. According to Atmos Energy (formerly United Cities Gas Company), the company has not filed for an adjustment in its rates since 1995. Atmos has 30 days to respond to the petition, and the earliest TRA will consider the request is November. (Source: <i>Power Marketing Association</i> , September 12, 2005)

WESTERN REGION

State or Local Government	Activity
California	The California Public Utilities Commission (CPUC) approved \$2 billion in funding over the next three years for energy efficiency and conservation programs throughout the state. The effort includes consumer rebates of up to \$600 for appliances that carry the EnergyStar® label. CPUC will also provide \$230 million per year for the state's Green Building Initiative in order to reduce energy use in government buildings by 20 percent. (Source: <i>Power Marketing Association</i> , September 18, 2005)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

Rate Changes	Restructuring and Public Benefits
The Bonneville Power Administration (BPA) plans to reduce its fiscal year 2006 wholesale power rates by 1.6 percent beginning October 1. BPA said rates will be lowered despite continued effects of below average precipitation in the Columbia River Basin. The rate decrease is due to better-than-expected revenues from surplus power sales and agency cost cutting, according to officials. (Source: <i>Power Marketing Association</i> , September 13, 2005)	The Department of Energy's Office of Energy Efficiency and Renewable Energy has launched an updated Consumer web site providing easy access to the latest information about using and saving energy at home and in the workplace. The new web site provides information on home energy efficiency, fuel-efficient vehicles, and the best options for using solar energy and other renewable energy sources at home. (Source: <i>Power Marketing Association</i> , September 18, 2005)

CENTRAL REGION

Rate Changes	Restructuring and Public Benefits
Nebraska's Aquila Inc.'s level-payment plan is now available for families hoping to keep energy bills steady despite fluctuating natural gas usage and prices. Nebraska and Iowa energy providers have seen increased interest in such programs since Hurricane Katrina. Many Nebraskans already are paying up to 63 percent more for natural gas than they did a year ago. At the current price, the average January heating bill (based on normal Omaha weather) would exceed \$215 a month. (Source: <i>Power Marketing Association</i> , September 20, 2005)	Kansas City Power and Light (KCPL) is considering a site near Dodge City for a 100-megawatt wind farm, which would be only the second in Kansas. The utility expects to decide on a site in October, and is planning for a 2006 opening. KCPL serves approximately 500,000 customers in northeastern Kansas and northwestern Missouri. (Source: <i>Power Marketing Association</i> , September 19, 2005)
Questar Gas asked the Utah Public Service Commission for permission to raise natural gas rates by 13.3 percent. On top of a 14.4 percent increase approved by the PSC in June, that means this winter, customers will pay about 28 percent more per month than last year. (Source: <i>Power Marketing Association</i> , September 18, 2005)	September 20 marked the groundbreaking of what will be North Dakota's largest wind farm. It will be built about one mile south and four miles east of Wilton, ND. The project will consist of 33 wind turbines that will generate 49.5 megawatts of electricity, enough to power 15,000 homes. Currently, the largest wind farm in the state generates 40 megawatts of electricity. The Wilton Wind Energy Center, a joint project by Basin Electric Cooperative and Florida Power and Light, is scheduled for completion by the end of the year. (Source: <i>Greenwire</i> , September 22, 2005)

F E M P M O N T H L Y U P D A T E

Rate Changes	Restructuring and Public Benefits
	<p>Reliant Energy announced it is launching a new program for Houston area residential customers to lower electric bills immediately. Called the "Instant Relief" Package, the program offers a solution for customers seeking to lower current bill payments, which combines Reliant's Simple Solutions Flex Plan with a "balanced billing feature," or a billing cycle that automatically spreads payments over 12 months. Reliant will automatically reduce the customer's current bills to reflect the balanced payment amount. For more information visit Reliant's web site at http://www.reliant.com/instantrelief. (Source: <i>Reliant.com</i>, September 20, 2005)</p>

MID-ATLANTIC REGION

Rate Changes	Restructuring and Public Benefits
<p>Baltimore Gas and Electric Company customers may see increases in natural gas bills beginning this fall and winter, partly because of Hurricane Katrina. Preliminary estimates are that winter prices could be 35 to 50 percent higher than last season. (Source: <i>Power Marketing Association</i>, September 18, 2005)</p>	<p>Approximately 100 large customers of Virginia Natural Gas Company will have their service shut off temporarily due to supply problems caused by Hurricanes Katrina and Rita. The utility provides service in Hampton Roads and parts of eastern Virginia, including Hanover County. The customers who will lose service have "interruptible" contracts with the company, where, in exchange for paying lower rates, customers agree to allow their gas to be cut off in the event of a shortage or problem. (Source: <i>Power Marketing Association</i>, September 25, 2005)</p>
	<p>Pepco urged all District of Columbia residents who need assistance paying gas, electric, water, or heating fuel bills to attend DC's Utility Discount Day at the new Convention Center. Pepco joined other DC utilities in sponsoring and participating in Utility Discount Day. District residents could apply for discounts on their electric, gas, water, and phone bills. Utility Discount Day is run by the District of Columbia Energy Office and co-sponsored by the D.C. Office of People's Counsel, the D.C. Public Service Commission, Pepco, and other area utilities. (Source: <i>Power Marketing Association</i>, September 26, 2005)</p>

MIDWEST REGION

Rate Changes	Restructuring and Public Benefits
<p>East Ohio announced Tuesday that the average customer's October bill will be 46 percent higher than last year. The utility said the price for gas or the gas cost recovery fee it charges customers will rise an average of 17 percent from last month and be 58 percent higher than a year ago. With fixed costs, the average residential customer's bill for this October will be \$106.49, up from the</p>	<p>McLean County, Illinois, recently received approval to be the site of a large wind farm. McLean County Board members unanimously approved construction of High Trail Wind Farm in the Saybrook, Arrowsmith, and Ellsworth areas. The 275-turbine farm is expected to generate enough electricity to power 120,000 homes. (Source: <i>Power Marketing Association</i>, September 21, 2005)</p>

F E M P M O N T H L Y U P D A T E

Rate Changes	Restructuring and Public Benefits
\$73.13 last year. The increase is only for customers who buy gas from Dominion. (Source: <i>Power Marketing Association</i> , September 19, 2005)	
The Missouri Public Service Commission held two public hearings on September 19 regarding a raise in base rates for its 631,000 customers. The increase, about \$10.5 million a year, is about a quarter of the \$39 million increase that St. Louis-based Laclede had sought. If approved by the PSC, rates for a typical residential customer would rise about 1 percent, or \$1.05 a month. The increase doesn't include fuel costs. (Source: <i>Power Marketing Association</i> , September 21, 2005)	

NORTHEAST REGION

Rate Changes	Restructuring and Public Benefits
Natural gas prices for Niagara Mohawk customers are expected to hit record highs this winter, according to officials. The average heating bill for residential customers is expected to increase 35 percent from last winter, based on current market conditions, according to Joseph Ash, Vice President of Energy Supply, Pricing and Regulatory Proceedings. (Source: <i>Power Marketing Association</i> , September 23, 2005)	

SOUTHEAST REGION

Rate Changes	Restructuring and Public Benefits
PSNC Energy, a wholly-owned subsidiary of SCANA Corporation, announced that the North Carolina Utilities Commission has approved an increase to the purchased gas component of the company's retail natural gas rates, effective for October bills. The increase will raise the company's total year-round residential rate by 22 percent, from approximately \$1.27 per therm to approximately \$1.56 per therm. This increase translates into a monthly increase of approximately \$28 based on an average natural gas usage	Georgia Power and Savannah Electric received 26 proposals from 10 companies in response to its request for proposals for 1,200 megawatts of electricity to meet customer demand in 2009. The combined total of the bids is more than 8,000 megawatts of electricity. Most of the bids were in the 100- to 800-megawatt range. Contracts for the winning bids will be submitted May 1, 2006, for certification by the PSC. The new generation would need to be on line by June 1, 2009 (Source: <i>Power Marketing Association</i> , September 20, 2005)

F E M P M O N T H L Y U P D A T E

Rate Changes	Restructuring and Public Benefits
of 100 therms per month during the winter heating season (November through March). (Source: <i>Power Marketing Association</i> , September 26, 2005)	
South Carolina Electric and Gas's parent company, SCANA has asked to raise gas rates by an average of 57 percent, the request is pending approval. The proposed increase would boost the average bill from \$121 a month to \$172 a month. The utility sells natural gas to 284,000 customers. (Source: <i>Power Marketing Association</i> , September 25, 2005)	
SCE&G, in South Carolina, requested a natural gas base-rate hike, its first since 1989. The company is looking to raise its rate of return for natural gas from 3.56 percent to 8.43 percent. If accepted, the rates would go into effect in November. (Source: <i>Power Marketing Association</i> , September 20, 2005)	

WESTERN REGION

Rate Changes	Restructuring and Public Benefits
Southern California Edison Company cancelled its request for long-term electricity contracts that were expected to spur the development of 1,500 megawatts of new generation capacity. In September, the utility withdrew the contract request it had launched in April because the California Public Utilities Commission opposed Edison's plan to spread the cost of the contracts to everyone in Southern California who depends on the same power grid for electricity. (Source: <i>Power Marketing Association</i> , September 22, 2005)	The Portland City Council voted 4-0 to pose 26 requests to Portland General Electric (PGE) for information about taxes, dividends, and profits control. Commissioner Randy Leonard, who sponsored the original plan, wants to find out whether PGE has set artificially high rates that outpace Portland's other electric provider. The Oregon Public Utility Commission, which is reviewing the requests, is expected to issue its decision in November. (Source: <i>Power Marketing Association</i> , September 22, 2005)
Avista Corporation has applied with utility regulators to increase natural gas rates in Washington by 23.5 percent November 1. The Spokane-based utility company said wholesale natural gas prices now are 40 percent higher than a year ago. If approved by the Washington Utilities and Transportation Commission, the request would mean the average residential customer would	Alameda County, California, supervisors will consider new regulations requiring wind power companies in the Altamont Pass to spend money to overhaul their equipment over the next 13 years, in order to protect the local bird population. Draft requirements set to go before the board would order a phased-in shutdown of the 5,400 windmills now open in the Altamont, and their gradual replacement with new machines that scientists say are likely to be much less lethal to birds. (Source: <i>Power Marketing Association</i> , September 22, 2005)

Rate Changes	Restructuring and Public Benefits
see a monthly bill of \$86.04, or \$16.39 higher than before the rate increase. The company serves about 135,000 natural gas customers in Washington. (Source: <i>Power Marketing Association</i> , September 17, 2005)	
	Responding to a request made last week by Pacific Gas and Electric Company, the California Public Utilities Commission (CPUC) today approved a plan that provides new funds to the utility's energy-efficiency appliance rebate program. This program helps reduce natural gas use and utility bills by encouraging consumers to purchase energy-efficient appliances such as furnaces and water heaters. (Source: <i>Power Marketing Association</i> , September 22, 2005)
	As winter approaches, Pacific Gas & Electric Company is encouraging qualified residents of Fresno, California, to sign up for its reduced utility cost program. According to PG&E, natural gas is expected to be 40 percent more costly this winter because Hurricane Katrina damaged the nation's gas-distribution system. PG&E's California Alternative Rate for Energy program cuts 20 percent off electric and gas bills. PG&E estimates that 80 to 85 percent of customers located in Fresno County eligible for the program are enrolled. (Source: <i>Power Marketing Association</i> , September 18, 2005)

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PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

No news of interest to report.

CENTRAL REGION

Solar street lighting building and installer, SOL Inc., has installed 18 systems in the New Orleans, Louisiana area. Tiger 21, a group of New York-based lenders and investors has given SOL Inc. \$230,000 for the project and Sharp Electronics has donated \$40,000 in solar panels. The lights will be used in camps housing police from nine states during the reconstruction of the region as a result of the recent hurricanes. (Source: *Greenwire*, September 27, 2005)

MID-ATLANTIC REGION

Central Hudson Enterprises, a subsidiary of CH Energy Group, has invested \$5.5 million with Community Energy to bring two wind projects online by the end of the year. The 25 MW Bear Creek Wind Project in Wilkes-Barre, Pennsylvania will have 12 2-MW wind turbines. This project is funded by TRF Sustainable Development Fund, the Sustainable Energy Fund of Central Eastern Pennsylvania, the West Penn Power Sustainable Energy Fund,

the Penelec Sustainable Energy Fund and the Metropolitan Edison Sustainable Energy Fund. **The second project, a 7.5 MW Wastewater Treatment Plant in Atlantic City, New Jersey** will house 5 1.5-MW wind turbines. Half of the output is financed by Atlantic County Utilities Authority and the rest will be bid into the energy market. Additional funds from the project are from New Jersey Clean Energy Program and a production grant from the New Jersey Board of Public Utilities. (Source: *RenewableEnergyAccess.Com*, September 13, 2005)

Building	Stage/Certification	Cost/End-Use	Energy Features
School of Architecture and Landscape Architecture, University of Pennsylvania, Philadelphia, PA	<ul style="list-style-type: none"> • LEED Gold 	<ul style="list-style-type: none"> • University building • \$27.6 million total 	<ul style="list-style-type: none"> • 111,000 sq ft • Energy-saving sensor lights • Thin design means for natural lighting and cross-ventilation • Automated windows • Weather station outside the building determines when the windows should be opened and closed based on temperature and humidity; sends a signal causing them all to open at the same time • More than 80% of the waste from construction was recycled
Residential and Commercial Users throughout NJ	<ul style="list-style-type: none"> • Started September 2005 • New Jersey Clean Energy Fund began offering rebates for solar systems in 2000, it has supported construction of 632 units, largely residential, but also some schools and businesses. 	<ul style="list-style-type: none"> • Average cost of \$50,000 per household for installation of the PV system • Households, businesses, churches and farms • New Jersey Board of Public Utilities' incentive program covers 60-70% cost 	<ul style="list-style-type: none"> • Install photovoltaic systems in 65 stores • Solar arrays by BP Solar • "One-stop shopping" available at 65 Home Depot Stores
David L. Lawrence Convention Center, Pittsburgh, PA	<ul style="list-style-type: none"> • Gold LEED • Commissioning of phase one was completed in December of 2002, with phase 2 still ongoing 	<ul style="list-style-type: none"> • Convention Center • Annual energy savings of about 35% or \$500,000 	<ul style="list-style-type: none"> • 1.5 million sq. ft. total and 313,400 sq. ft. of primary exhibit space and 76,500 sq. ft. of secondary exhibit space • Natural ventilation • Daylight sensors of Analog-style 0-10 volt photocells • Carbon monoxide sensors • Water reclamation system that reduces potable water use by nearly 60% • Substantial use of recycled and nontoxic materials

F E M P M O N T H L Y U P D A T E

Building	Stage/Certification	Cost/End-Use	Energy Features
New Jersey American Water Canal Road Water Treatment Plant, Somerset, NJ	<ul style="list-style-type: none"> Debut on October 11, 2005 	<ul style="list-style-type: none"> Payback in 7 years Save approximately \$125,000 a year in reduced energy costs Rebate from the New Jersey Clean Energy Program 	<ul style="list-style-type: none"> Ground-mounted 500-kW solar electric system Built by Dome-Tech Solar 2,800 solar panels from RWE SCHOTT Solar Will supplement 15% of the peak usage power needed to run the plant with solar energy and. During peak production periods, electricity produced by the solar system would be enough to meet average electricity demand of more than 500 NJ homes.

MIDWEST REGION

Building	Stage/Certification	Cost/End-Use	Energy Features
Tarkington Elementary School, Chicago, IL	<ul style="list-style-type: none"> Seeking basic LEED 110 school certified 	<ul style="list-style-type: none"> Elementary school 	<ul style="list-style-type: none"> Green roof over the gymnasium 30% less water than expected for a building of its size Half of its electricity from renewable resources Reflective coating to reduce the amount of heat getting in

NORTHEAST REGION

The Massachusetts Technology Collaborative started a program to expand the production and use of solar photovoltaic arrays, wind, and micro-hydro technologies in the state. The \$5 million from the Massachusetts Renewable Energy Trust will be used to support 500 small-scale renewable energy installations. (Source: *Refocus News-in-Brief*, September 7, 2005)

SOUTHEAST REGION

No news of interest to report.

WESTERN REGION

Building	Stage/Certification	Cost/End-Use	Energy Features
Burgerville and Noodlin' Restaurants in WA	Operational	Fast food chains	<ul style="list-style-type: none"> Use wind power to provide 100% of electricity demand at its stores and at corporate headquarters
Tony's Fine Foods, West Sacramento, CA	<ul style="list-style-type: none"> Completion anticipated for February 2006 	<ul style="list-style-type: none"> Warehouse and surrounding area Rebate from Pacific Gas and Electric Co. to cover half the 	<ul style="list-style-type: none"> 140,000 sq. ft. 1-MW photovoltaic array Will produce enough electricity for 250 homes Energy production will cut the

FEMP MONTHLY UPDATE

Building	Stage/Certification	Cost/End-Use	Energy Features
		<p>cost of solar power equipment and installation, and other tax credits and other incentives</p> <ul style="list-style-type: none"> • Company will recoup the \$7 million cost of the solar power system in six or seven years 	<p>company's power costs by 41%</p>
El Dorado Hills Wastewater Treatment Plant, El Dorado, CA	<ul style="list-style-type: none"> • Approved by the El Dorado Hills Board in February 2005 	<ul style="list-style-type: none"> • Solar farm • \$5.54 million project cost • Half funding provided by rebate program administered by the California Public Utilities Commission and available through Pacific Gas and Electric Co. 	<ul style="list-style-type: none"> • 81,100 sq. ft. array of solar panels • Offset \$240,000 in annual electricity costs at the El Dorado Hills Wastewater Treatment Plant • Shell Solar Industries is the project contractor • Sustainable features such as recycled materials and native plant landscaping
Vineyard Lane Development, Brainbridge Island, WA	<ul style="list-style-type: none"> • Completion anticipated at the end of next year 	<ul style="list-style-type: none"> • Penthouse Condos 	<ul style="list-style-type: none"> • 45-unit project • Solar panels • Developed by Bill Carruthers
Butte-Glenn Community College, Oroville, CA	<ul style="list-style-type: none"> • Operational 	<ul style="list-style-type: none"> • \$7.4 million total cost • Estimated savings \$300,000 annually from the solar system; reducing the college's utility bills by one-third • \$3.7 million rebate from Pacific Gas & Electric 	<ul style="list-style-type: none"> • 1.06 MW solar array • 5,700 solar panels on a four-acre field • Real-time monitoring with interactive kiosk on campus • Second largest community college solar installation in the U.S.
Loomis Basin Veterinary Clinic, Loomis, CA	<ul style="list-style-type: none"> • Operational • Plan to add another 20 kW power capacity with a rebate from the California Energy Commission 	<ul style="list-style-type: none"> • \$1.3 million savings over the life of the system 	<ul style="list-style-type: none"> • 680.5 kW roof top solar system on 7,000 sq. ft. of seven different roof surfaces, including two custom-constructed Solar Ports, where modules function as a roof above two large parking structures. • Produces 112,000 kW/yr • Supplies about half the Clinic's total electrical demand. • Building-integrated mounting system to ensure that the system is not only economical, but also aesthetically pleasing.

F E M P M O N T H L Y U P D A T E

Building	Stage/Certification	Cost/End-Use	Energy Features
			<ul style="list-style-type: none"> • Real-time monitoring system to optimize performance. • Installed by GreenLight Solar.
Safeway, San Francisco and the corporate campuses in Pleasanton and Walnut Creek, CA	<ul style="list-style-type: none"> • Planning stage 	<ul style="list-style-type: none"> • 270 gasoline stations and 15 stores • Avoid emission of 85 million pounds of CO2 per year 	<ul style="list-style-type: none"> • Purchase green power to meet 100% of the demand • Purchase 78 million kWh from wind turbines
Chico Unified School District, Chico, CA	<ul style="list-style-type: none"> • Project approved by Board of Trustees for Chico Unified School District 	<ul style="list-style-type: none"> • One school • Array to provide half the school's energy needs • PG&E rebate pays \$365,040 with \$606,961 to be financed over 20 years • Utility savings over the next 40 years estimated at around \$2.8 million, costing about \$13,000 the first year 	<ul style="list-style-type: none"> • Install a roof top solar panel array • 176-kW system • By Chico Electric and RWE Schott Solar
WorldWater & Power Corp., Los Angeles area, CA	<ul style="list-style-type: none"> • Proposed 	<ul style="list-style-type: none"> • 2 car washes • \$1.4 million • Third party financiers include Quantum Energy Group • Rebates from Southern California Gas Company 	<ul style="list-style-type: none"> • To build and install two solar electric power systems
Kentfield School District, San Rafael, CA	<ul style="list-style-type: none"> • Operational • Dedication on September 27, 2005 	<ul style="list-style-type: none"> • Elementary school • \$1,256,000 • \$628,000 rebate from Self-Generation Incentive Program of Pacific Gas & Electric (PG&E), administered by the California Public Utilities Commission 	<ul style="list-style-type: none"> • 240,000 kWh annually, enough to power 42 homes • Sunspot™ PV Monitoring System • Sell excess power to PG&E at retail rates • Made by Sun Power & Geothermal Energy Co.

INTERNATIONAL

Prime Minister Martin of Canada announced an investment of \$2.9 million dollars (\$3.6 million Canadian) to develop the Canadian Wind Energy Institute and \$800,000 dollars (\$1 million Canadian) annually for operation. Wind energy is the fastest form of electricity production in the country, although hydro projects provide 60 percent of the country's power.

Canada invests at least \$740 million (\$920 million Canadian) for promoting wind power over the next 15 years, with intentions to increase the production target to 4,000 MW by 2010. (Source: *Xinhua English Newswire*, September 25, 2005)

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STUDIES, REPORTS, AND ANALYSES

SOLAR AND RENEWABLE ENERGY

U.S. Department of Energy's Office of Science, *The Basic Research Needs for Solar Energy Utilization*, 2005

The report outlines basic research needs for bringing solar energy to its full potential in the energy marketplace. The 276-page report results from a workshop of 200 scientists held earlier this year. Workshop findings include 13 priority solar energy research actions. "This research will help improve a critical component of renewable energy, solar technology, in the future," said Raymond Orbach, Director of the Office of Science. "Increasing the use of renewable energy is a clear way to help meet our growing energy needs using environmentally-friendly power sources." The report is available at http://www.sc.doe.gov/bes/reports/files/SEU_rpt.pdf.

International Energy Agency, *Offshore Wind Experiences*, 2005

This study reviews the first series of commercial-scale offshore wind installations, and addresses barriers and achievements of early wind technology development. The report examines lessons learned by concentrating on five offshore windfarms in northern Europe that were installed between 2000 and 2004. The study looks at technology-associated costs, political support, financiers, legal and administrative issues, environmental and social concerns, and network integration issues. The report is available at <http://www.iea.org/Textbase/Papers/2005/offshore.pdf>.

Western Governors' Association, *Draft Solar Task Force Report*, September 2005

The report finds that an increased term for Federal investment tax credit and state-based incentives allows for 8-GW of solar electric generating capacity to be installed in the western United States by 2015. By developing 8 GW of solar electricity, four million homes would be powered and 32,500 new jobs would be created in the manufacturing, construction and installation industries. The Governor's task force anticipates half of deployment coming from central concentrating solar power (CSP) plants and half coming from distributed photovoltaic (PV) generation. Comments are due by October 14 to wga-email@westgov.org. The report is available at <http://www.westgov.org/wga/initiatives/cdeac/solar.htm>.

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APPENDIX A

STATUS OF FY 2005 APPROPRIATIONS BILLS

(*** **Note:** For the FY 2006 appropriations process, the House and Senate consolidated existing appropriations subcommittees from 13 in both chambers to 11 and 12 respectively. However, programmatic jurisdiction is not the same for all committees/bills and therefore, the Presidential request and the 302(b) allocations differ for each House and Senate bill).

(In Billions)

HOUSE

SENATE

Jurisdiction/ FY 2004 Budget Request ***	302(b) Discretionary Allocations/ Approved Funding Level	Full Cmte. Mark Up	Floor Vote	Vote on Conf Rpt.	302(b) Discretionary Allocations/ Approved Funding Level	Full Cmte. Mark Up	Floor Vote	Vote on Conf. Rpt.
H.J. Res. 68 – FY 2006 Continuing Resolution	N/A	-	9/29		N/A	-	Pending/ 30	
H.R. 2744								
Agriculture (House) \$16.739 Billion	\$16.832 Billion	5/25	6/8					
Agriculture (Senate) \$16.918 Billion					\$17.348 Billion	6/23	9/22	
H.R.2862								
Science/State/ Justice/Commerce (House) \$60.616 Billion	\$57.453 Billion	6/7	6/16					
Commerce/Justice/ State (Senate) \$47.319 Billion					\$48.646 Billion	6/23	9/15	
H.R. 2863								
Defense (House) \$366.720 Billion	\$363.440 Billion	6/7	6/20					
Defense (Senate) \$407.706 Billion					\$400.706 Billion	9/28	Pending	

FEMP MONTHLY UPDATE

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2004 Budget Request ***</i>	<i>302(b) Discretionary Allocations/ Approved Funding Level</i>	<i>Full Cmte. Mark Up</i>	<i>Floor Vote</i>	<i>Vote on Conf Rpt.</i>	<i>302(b) Discretionary Allocations/ Approved Funding Level</i>	<i>Full Cmte. Mark Up</i>	<i>Floor Vote</i>	<i>Vote on Conf. Rpt.</i>
H.R. 2419 Energy and Water (House) \$29.746 Billion Energy and Water (Senate) \$29.745 Billion	\$29.746 Billion	5/18	5/24		\$31.245 Billion	6/16	6/30	
H.R. 3057 Foreign Operations (House) \$22.826 Billion State/Foreign Operations (Senate) \$32.671 Billion	\$20.270 Billion	6/22	6/28		\$31.671 Billion	6/30	7/20	
H.R. 2360 Homeland Security (House) \$29.555 Billion Homeland Security (Senate) \$29.561 Billion	\$30.846 Billion	5/10	5/17	<i>Vote on H.Rpt. 109-241 Pending Week of 9/3</i>	\$30.846 Billion	6/16	7/14	<i>Vote on H. Rpt. 109-241 Pending 9/30</i>
P.L. 109-54 (H.R. 2361) \$26.2 Billion Interior and Environment (House) \$25.672 Billion Interior and Related Agencies (Senate) \$25.675 Billion	\$26.107 Billion	5/10	5/19	7/28	\$26.207 Billion	7/28	7/29	7/29

FEMP MONTHLY UPDATE

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2004 Budget Request ***</i>	<i>302(b) Discretionary Allocations/ Approved Funding Level</i>	<i>Full Cmte. Mark Up</i>	<i>Floor Vote</i>	<i>Vote on Conf Rpt.</i>	<i>302(b) Discretionary Allocations/ Approved Funding Level</i>	<i>Full Cmte. Mark Up</i>	<i>Floor Vote</i>	<i>Vote on Conf. Rpt.</i>
H.R. 3010								
Labor/HHS/EDU (House) \$141.590 Billion	\$142.514 Billion	6/16	6/24					
Labor/HHS/EDU (Senate) \$141.344 Billion					\$141.344	7/14	Pending	
H.R. 2528								
Military Quality of Life/VA (House) \$84.108 Billion	\$85.158 Billion	5/18	5/26					
Military Construction/ VA (Senate) \$44.585 Billion					\$44.382 Billion	7/21	Pending	
H.R. 3058								
DOT/Treas//HUD/ Judiciary (House) \$60.702 Billion	\$66.935 Billion	6/22	6/30					
DOT/Treas/Judiciary/ HUD (Senate) \$63.140 Billion					\$65.373 Billion	7/21	Pending	

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APPENDIX B
FY 2006 APPROPRIATIONS

*FY 2006 APPROPRIATIONS
(Discretionary Funding)*

Summary of Provisions of Interest

October 2005 Update

- AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES
- COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES (House)
COMMERCE, JUSTICE, AND SCIENCE (Senate)
- DEFENSE
- ENERGY AND WATER
- FOREIGN OPERATIONS (House)
STATE, FOREIGN OPERATIONS, AND RELATED PROGRAMS (Senate)
- HOMELAND SECURITY
- INTERIOR AND ENVIRONMENT (House)
INTERIOR, ENVIRONMENT, AND RELATED AGENCIES
- LABOR, HEALTH AND HUMAN SERVICES, EDUCATION, AND RELATED AGENCIES
- MILITARY QUALITY OF LIFE, VETERANS' AFFAIRS, AND RELATED AGENCIES (House)

MILITARY CONSTRUCTION AND VETERANS AFFAIRS (Senate)

- **TRANSPORATION, TREASURY, HOUSING AND URBAN DEVELOPMENT, AND THE JUDICIARY (House)**

TRANSPORTATION, TREASURY, THE JUDICIARY, HOUSING AND URBAN DEVELOPMENT, AND RELATED AGENCIES (Senate)

F E M P M O N T H L Y U P D A T E

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES

H.R. 2744

Key Program Activity	House Bill <u>House Report 109-102</u> \$16.832 Billion Passed House on 6/8/05	Senate Bill <u>Senate Report 109-92</u> \$17.348 Billion Passed Senate on 9/22/05
DEPARTMENT OF AGRICULTURE <u>Buildings and Facilities and Rental Payments</u> <u>Animal Plant Health Inspection Service, Building and Facilities</u> <u>Agriculture Research Service</u> <u>Renewable Energy Program for Farmers</u>	\$183.133 Million (includes \$147.734 Million in rental payments and \$35.399 Million in building operations) \$4.996 Million for buildings and facilities \$87.3 Million for buildings and facilities \$23 Million in grants and loans to farmers for renewable energy technologies.	\$187.734 Million (includes \$147.734 Million in rental payments and \$40 Million in building operations) \$4.996 Million for buildings and facilities \$160.645 Million for buildings and facilities \$23 Million in grants and loans to farmers for renewable energy technologies.
FOOD AND DRUG ADMINISTRATION <u>Facilities</u>	\$5 Million	\$7 Million

FEMP MONTHLY UPDATE

SCIENCE, STATE, JUSTICE, COMMERCE (House)

COMMERCE, JUSTICE, STATE (Senate)

H.R. 2862

Key Program Activity	House Bill <i>House Report 109-118</i> \$57.453 Billion PASSED House on 6/16/05	Senate Bill <i>Senate Report 109-88</i> \$48.464 Billion Passed Senate on 9/15/05
<p>DEPARTMENT OF COMMERCE</p> <p><u>National Institutes of Standards and Technologies, Facilities</u></p> <p><u>National Oceanic and Atmospheric Administration, Operations, Research, and Facilities</u></p>	<p>\$45 Million for the construction and major renovations of the NIST campuses at Boulder, Colorado, and Gaithersburg, Maryland.</p> <p>\$2.447 Billion</p>	<p>\$198.631 Million for priority safety, capacity, maintenance, and repair projects at NIST.</p> <p>\$3.203 Billion</p>
<p>DEPARTMENT OF JUSTICE</p> <p><u>U.S. Marshals Service, Facilities</u></p> <p><u>Federal Bureau of Investigation, Facilities</u></p>	<p>Not specified</p> <p>\$20.105 Million for construction (includes \$105,000 for base construction, \$10 Million for an architecture and engineering study for a new Critical Incident Response Group Facility (CIRG), and \$10 Million for equipment and associated costs for a permanent records</p>	<p>\$12 Million</p> <p>\$25.213 Million for construction (includes \$5.105 Million for general operations and maintenance)</p>

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill <i>House Report 109-118</i> \$57.453 Billion PASSED House on 6/16/05	Senate Bill <i>Senate Report 109-88</i> \$48.464 Billion Passed Senate on 9/15/05
<u>Bureau of Prisons, Facilities</u>	<p>management facility in Frederick County, VA)</p> <p>\$70.112 Million for the construction, modernization, maintenance, and repair of prison and detention facilities (does not include a proposed \$314 Million rescission of funds previously appropriated for new prison construction. Committee notes that there are carryover balances available in this account totaling more than \$600 Million, of which over \$100 Million are not designated for specific construction activities and can be used for maintenance and repair projects. Committee expects BOP to use new appropriations, as well as previously appropriated funds, to address the most critical maintenance and repair projects.)</p>	<p>\$222.112 Million for the construction, modernization, maintenance, and repair of prison and detention facilities</p>

F E M P M O N T H L Y U P D A T E

DEFENSE

H.R. 2863

Key Program Activity	House Bill <i>House Report 109-119</i> \$363.440 Billion Passed House on 6/20/05	Senate Bill <i>Senate Report 109-141</i> \$400.706 Billion Passed Full Committee on 9/28/05
DEPARTMENT OF DEFENSE <u>Operation and Maintenance – Facility Maintenance</u>	\$5 Million for Wind Demonstration Project at an Air Force facility Reduces by \$15 Million, unsupported growth in Utilities Privatization program \$2Million for Waterfree urinal conservation program	Not specified

FEMP MONTHLY UPDATE

ENERGY AND WATER H.R. 2419

Key Program Activity	House Bill <i>House Report 109-086</i> \$29.746 Billion Passed House on 5/24/05	Senate Bill <i>Senate Report 109-084</i> \$31.245 Billion Passed Senate on 6/30/05
DEPARTMENT OF ENERGY <u>Energy Efficiency and Renewable Energy</u> (Department of Energy programs previously funded by the <i>Interior and Related Agencies Appropriations</i> are now funded by the <i>Energy Supply and Conservation Appropriations</i> . All energy efficiency and renewable energy programs are listed under and are combined with energy the Energy Supply and Conservation section)	\$1.763 Billion \$17.147 Million Federal Energy Management Program \$2.019 Million Departmental Energy Management \$64.966 Million Building Technologies \$56.629 Million Distributed Energy Resources \$58.891 Million Industrial Technologies \$86.164 Million Biomass and Biorefinery Systems R&D \$83.6 Million Fuel Cells \$167.943 Million Vehicle Technologies \$9.456 Million Program Support \$1.236 Billion for energy efficiency and renewable energy resources \$83.953 Million Solar \$44.249 Million Wind	\$1.945 Billion \$17.147 Million Federal Energy Management Program \$2.019 Million Departmental Energy Management \$67 Million Building Technologies \$64.666 Million Distributed Energy Resources \$56.489 Million Industrial Technologies \$92.164 Million Biomass and Biorefinery Systems R&D \$83.6 Million Fuel Cells \$199.943 Million Vehicle Technologies \$9.456 Million Program Support \$1.253 Billion for renewable energy resources \$83.963 Million Solar \$34.249 Million Wind

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill <i>House Report 109-086</i> \$29.746 Billion Passed House on 5/24/05	Senate Bill <i>Senate Report 109-084</i> \$31.245 Billion Passed Senate on 6/30/05
	\$500,000 Hydropower \$101.524 Million Program Direction \$99.849 Million	\$500,000 Hydropower \$86.524 Million Program Direction \$178.083 Million

FOREIGN OPERATIONS (House) STATE, FOREIGN OPERATIONS, AND RELATED PROGRAMS (Senate)

H.R. 3057

Key Program Activity	House Bill <i>House Report 109-152</i> \$20.270 Billion Passed House on 6/28/05	Senate Bill <i>Senate Report 109-96</i> \$31.671 Billion Passed Senate on 7/20/05
DEPARTMENT OF STATE <u>Embassy Security,</u> <u>Construction, and</u> <u>Maintenance</u>	\$1.514 Billion	\$1.504 Billion

F E M P M O N T H L Y U P D A T E

HOMELAND SECURITY H.R. 2360

Key Program Activity	House Bill <i>House Report 109-79</i> \$30.846 Billion Conference Report Pending House Approval	Senate Bill <i>Senate Report 109-83</i> \$30.846 Billion Conference Report Pending House Approval
<u>DHS Headquarters, Renovation and Relocation Expenses</u>	N/A	<p>\$ 26.070 Million to consolidate and integrate its headquarters operations and specific program components at the Nebraska Avenue Complex [NAC] in Washington, DC. (Includes \$8.300 Million for security enhancements; \$10.257 Million for tenant improvements; \$3.400 Million for capital improvements; and \$4.113 Million for campus-wide design and construction costs.)</p> <p>\$311.381 Million to plan, construct, renovate, equip, and maintain buildings and facilities.</p>
<u>Bureau of Customs and Border Protection (Air and Marine Interdiction Operations, Maintenance, and Procurement)</u>	\$93.418 Million	<p>\$1.142 Billion for the acquisition, construction, and improvement of vessels, aircraft, information management resources, shore facilities, and aids to navigation required to execute the Coast Guard's missions and achieve its performance goals.</p>
<u>U.S. Coast Guard (Acquisition, Construction, and Improvements)</u>	\$798.152 Million for acquisition of new capital assets, construction of new facilities, and physical improvements to existing facilities and assets.	<p>\$3.699 Million for security upgrades of existing facilities; to continue development of the current Master Plan; to maintain and renovate existing facilities, including the James J. Rowley Training Center; and to ensure efficient and full utilization of</p>

FEMP MONTHLY UPDATE

Key Program Activity	House Bill <i><u>House Report 109-79</u></i> \$30.846 Billion Conference Report Pending House Approval	Senate Bill <i><u>Senate Report 109-83</u></i> \$30.846 Billion Conference Report Pending House Approval
<p><u>U.S. Secret Service</u></p> <p><u>Federal Law Enforcement Training Center</u></p>	<p>\$3.699 Million for the acquisition, construction, improvement, equipment, furnishing and related cost for maintenance and support of Secret Service facilities, including the Secret Service Memorial Headquarters Building and the James J. Rowley Training Center.</p> <p>\$64.743 Million for the acquisition, construction, improvements, equipment, furnishings, and related costs for expansion and maintenance of facilities of the Federal Law Enforcement Training Center, to include its facilities in Georgia, South Carolina, Maryland, and New Mexico.</p>	<p>the Center.</p> <p>\$88.358 Million for the acquisition and related costs for expansion and maintenance of facilities of the Federal Law Enforcement Training Center [FLETC]. This includes construction and maintenance of facilities and environmental compliance. Construction and maintenance provides funding for buildings at four locations (Glynco, Georgia; Artesia, New Mexico; Cheltenham, Maryland; and Charleston, South Carolina).</p>

F E M P M O N T H L Y U P D A T E

INTERIOR, ENVIRONMENT, AND RELATED AGENCIES

P.L. 109-54

Signed by the President on August 2, 2005

Key Program Activity	House Bill	Senate Bill
P.L. 109-54 (H.R. 2361) \$25.724 Billion	House Report 109-80 \$26.107 Billion (Conference report passed House on 7/28)	Senate Report 109-80 \$26.207 Billion (Conference report passed Senate on 7/29)
DEPARTMENT OF THE INTERIOR <u>U.S. Fish and Wildlife Service</u> \$45.891 Million for construction, improvement, acquisition, or removal of buildings and other facilities <u>National Park Service</u> \$301.291 Million for construction, improvements, repair or replacement of physical facilities <u>Smithsonian Institution</u> \$100 Million for Facilities Capital <u>National Gallery of Art</u> \$16.2 Million for repair, restoration and renovation of buildings, grounds and facilities <u>JFK Center for the Performing Arts</u> \$13 Million for construction	\$41.206 Million for construction \$291.230 Million for construction \$90.9 Million for Facilities Capital \$16.2 Million for repair, restoration, and renovation of buildings, grounds, and facilities. \$10 Million for construction	\$31.811 Million for construction \$299.201 Million for construction \$100 Million for Facilities Capital \$15 Million for repair, restoration, and renovation of buildings, grounds, and facilities. \$15.2 Million for construction

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill	Senate Bill
P.L. 109-54 (H.R. 2361) \$25.724 Billion	House Report 109-80 \$26.107 Billion (Conference report passed House on 7/28)	Senate Report 109-80 \$26.207 Billion (Conference report passed Senate on 7/29)
DEPARTMENT OF VETERANS' AFFAIRS Funding not specified (funding formerly housed within the Veterans' Affairs and Housing Development and Independent Agencies bill)	\$607.100 Million for major construction \$208.937 Million for minor construction	----- -----
ENVIRONMENTAL PROTECTION AGENCY \$40.218 Million for construction, repair, improvement, extension, alteration, and purchase of fixed equipment or facilities (funding formerly housed within the Veterans' Affairs and Housing Development and Independent Agencies bill)	\$40.218 Million for buildings and facilities	\$40.218 Million for buildings and facilities

F E M P M O N T H L Y U P D A T E

LABOR, HEALTH AND HUMAN SERVICES, EDUCATION, AND RELATED AGENCIES

H.R. 3010

Key Program Activity	House Bill <i>House Report 109-143</i> \$142.514 Billion Passed House on 6/24/05	Senate Bill <i>Senate Report 109-103</i> \$141.344 Billion Passed Full Committee on 7/14/05
DEPARTMENT OF LABOR <u>Job Corps Centers</u>	Committee does not include a rescission of funds as requested within construction and rehabilitation account. Previously appropriated funds are available for the construction of two new centers. There is a backlog of construction and rehabilitation projects at existing centers.	Committee concurs with the House in not including the proposed \$25 Million rescission of funds previously appropriated for construction and renovation activities.
<u>Department of Health and Human Services</u>	\$480.751 Million for the construction and renovation (including equipment) of health care-related facilities and other health care-related activities.	\$480.751 Million for the construction and renovation (including equipment) of health care-related facilities and other health care-related activities.
<u>Health care-related facilities and activities</u>	\$225 Million for the planning, design, and construction of new facilities, repair and renovation of existing CDC facilities, and data security and storage. (Includes \$200 Million for the continuation of CDC's Buildings and Facilities Master Plan in Atlanta, Georgia and \$25 Million to complete construction of CDC's Division of Vector Borne Infectious Diseases Laboratory in Fort Collins, Colorado.)	\$225 Million for the planning, design, and construction of new facilities, repair and renovation of existing CDC facilities, and data security and storage. (Includes \$200 Million for the continuation of CDC's Buildings and Facilities Master Plan in Atlanta, Georgia and \$25,000,000 to complete construction of CDC's Division of Vector Borne Infectious Diseases Laboratory in Fort Collins, Colorado.)
<u>Centers for Disease Control and Prevention</u>		

FEMP MONTHLY UPDATE

MILITARY QUALITY OF LIFE, VETERANS' AFFAIRS, AND RELATED AGENCIES (House)
MILITARY CONSTRUCTION/VETERANS AFFAIRS (Senate)

H.R. 2528

Model	Model	Model
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Key Program Activity	House Bill <i>House Report 109-95</i> \$85.158 Billion Passed House on 5/26/05	Senate Bill (Report No. Pending) \$44.382 Billion Passed Full Committee on 9/22/05
<u>Military Construction</u>	<p>\$1.653 Billion for the Army</p> <p>\$1.109 Billion for the Navy and Marine Corps</p> <p>\$1.171 Billion for the Air Force</p> <p>\$976.664 Million for Defense-wide (includes \$50 Million for the Energy Conservation Improvement Program)</p> <p>\$410.624 Million for the Army National Guard</p> <p>\$225.727 Million for the Air National Guard</p> <p>\$138.425 Million for the Army Reserve</p> <p>\$45.226 Million for the Naval Reserve</p> <p>\$110.847 Million for the Air Force Reserve</p>	(Funding levels not yet available)
<u>Family Housing</u>	\$4.202 Billion for maintenance and repair, furnishings, management, services, utilities, leasing, interest, mortgage insurance, and miscellaneous expenses.	

FEMP MONTHLY UPDATE

Key Program Activity	House Bill <u>House Report 109-95</u> \$85.158 Billion Passed House on 5/26/05	Senate Bill (Report No. Pending) \$44.382 Billion Passed Full Committee on 9/22/05
<p><u>Military Housing Privatization Initiative (MPHI)</u></p> <p><u>Energy Conservation Investment Program (ECIP)</u></p>	<p>\$549.636 Million for Army Housing Construction \$803.993 Million for Army O&M \$218.942 Million Navy and Marine Corps Construction \$588.660 Million for Navy and Marine Corps O&M \$1.236 Billion for Air Force Construction \$755.319 Million for Air Force O&M No funding recommendation for Defense wide construction \$46.391 Million for Defense-wide O&M</p> <p>Department has set a goal of formalizing all necessary agreements with private sector to eliminate inadequate and substandard housing by 2007.</p> <p>\$50 Million for the Energy Conservation Improvement Program (also listed above under Defense-wide)</p>	

F E M P M O N T H L Y U P D A T E

TRANSPORTATION, TREASURY, THE JUDICIARY, AND HOUSING AND URBAN DEVELOPMENT (House)
TRANSPORTATION, TREASURY, THE JUDICIARY, AND HOUSING AND URBAN DEVELOPMENT (Senate)

H.R. 3058

Key Program Activity	House Bill <u>House Report 109-153</u> \$66.935 Billion Passed House on 6/30/05	Senate Bill <u>Senate Report 109-109</u> \$65.373 Billion Passed Full Committee on 7/21/05
DEPARTMENT OF TREASURY <u>Treasury Building and Annex</u> GENERAL SERVICES ADMINISTRATION <u>Repairs and alterations</u> <u>Federal Building Fund</u> <u>White House</u>	\$10 Million for repair and restoration (\$961,376,000) Rescission (\$708,106,000) Rescission \$1.7 Million White House Restoration Project	\$10 Million for repair and restoration (\$961,376,000) Rescission (\$829,056,000) Rescission \$1.7 Million White House Restoration Project

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APPENDIX C – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
HOBO U10 Data Logger	Onset Computer Corp.	Utilizes Windows®-based software, HOBOWare™ 2.0 to monitor temperature and humidity. Provides accessibility to upload data into spreadsheets and other programs. Detects environmental conditions suitable for mold growth.	http://www.onsetcomp.com/hobo
Four-volume, enhanced CD-ROM, HandbookCD+ 2002-2005	American Society of Heating, Refrigerating and Air Conditioning Engineers	Contains HVAC reference information including spreadsheets demonstrating the radiant time series (RTS) method of load calculation, NAIMA 3E Plus software for calculating insulation thickness, performance estimators, and equipment animations.	http://www.ashrae.org
Register Boot	Fettkether LLC	Boot holds 4- by 10-inch registers and accepts 6 to 7 inch diameter flexible or rigid ducting. Boot creates a sealed unit, increasing the efficiency of the entire HVAC system.	http://www.showcase.netins.net/web/fettketherllc
Pow-R-Vent	Patent Works Inc.	Elevated attic ventilation system vents more than 16 inches above the roofline and accelerates warm air in the attic upward and outward. Prevents ice dams on eaves troughs by minimizing snow melted on the roof surface in cold climates. Assists an A/C system by lowering the attic and ceiling temperatures in warm climates.	http://www.achrnews.com/CDA/ArticleInformation/products/BNPPProductItem/0,6080,160274,00.html
Energy Recovery Ventilators and Dehumidifiers	Des Champs Technologies	Six new configurations from the Comple-Vent product line of energy recovery ventilators (ERVs) and dehumidifiers. New configurations include single and dual heat exchanger units, total or sensible energy recovery, and single or dual path units. Sizes range from 500 to 10,000 cfm with gas, electric, and hydronic heating options, and chilled water and DX cooling options.	http://www.deschamps.com/

F E M P M O N T H L Y U P D A T E

Technology	Manufacturer	Manufacturers Claim	Contact
LIGHTING			
150-W e-Vision Ballast	Advance Transformer	Consists of a compact size of 7.2 by 3.6 by 1.5 in., 0-10-V dimming interface, and dimming capacity of up to 60% of lamp power. 150-W model features operation at input voltage of 120 to 277 V, 50/60 Hz, superior lamp wattage regulation, and electronic circuitry. Delivers significant energy savings over incandescent and magnetic HID alternatives.	http://www.advancetransformer.com
UltraLITE Model ELU Centralized Emergency Lighting Inverter	Controlled Power	Meets NFPA 101 and NFPA 111 standards and includes optional control device override zone sensing. Provides uninterrupted, regulated, continuous sine wave output for lighting luminaires, exit lamps, and standby output for emergency luminaires.	http://www.controlledpwr.com
LEO Ellipsoidal Lighting Luminaire	Leviton Manufacturing Co. Inc.	New addition to line of ellipsoidal theatrical lighting spotlights. Functions at 115-240-V operation, uses high-efficiency, low-wattage for up to 750 W lamps, offers enhanced lighting quality, and lighting output efficiency.	http://www.leviton.com/
Allen-Bradley Bulletin 500LC Lighting Contactor	Rockwell Automation	20-A multi-pole lighting designed for branch circuits. Controls fixed number of branch circuits instead of blocks of lighting. Feature enables building designers design flexibility and customization options. Key advantage is that position remains unchanged and lights are not disconnected during a drop, reduction or loss of voltage.	http://www.rockwellautomation.com/
GR 2400 Relay Panel	Lighting Control & Design	Provides 100% digital lighting control system. Includes a 32-channel, 365-day astronomical time clock, and a 200-year non-volatile memory. Acts as a programming interface for the entire system including manual override of individual relays, zones or entire panel and control of mixed voltages.	http://www.lightingcontrols.com/
WATER EFFICIENCY			
Flostar	Actaris Metering Systems	Single jet meter meets the AWWA C712-02 standard and incorporates latest development changes in single jet metering technology.	http://www.actaris.com

F E M P M O N T H L Y U P D A T E

Technology	Manufacturer	Manufacturers Claim	Contact
Dialog DS Wireless RF™	Master Meter, Inc.	Features data logging, field-programmable capacity of 700 reads, and detection capabilities for leak, tampering, and backflow. Easy utilization through self activated start with waterflow.	http://www.mastermeter.com
U-PAK 500 Injectable Sealant	UTEX Industries	Utilized in pumps, valves, mixers and other sealing applications. Sealant is NSF approved for municipal drinking applications and is easy to maintain for hard to reach seal applications.	http://www.utexind.com
TC-3000	LaMotte Co.	Water analysis instrument measures turbidity (0.05 NTU), chlorine (0.02 ppm) and color (0.2 cu). Permits EPA or ISO compliant measurements for water and waste-water analysis.	http://www.lamotte.com
SAP® Best Practices for Water Utilities	SAP America Inc.	Software provides specific business processes for water utilities and is assists water and wastewater organizations to improve customer service, asset, financial, and reputation management.	http://www.sap.com
ENERGY MANAGEMENT TOOLS			
EEM Suite	Itron, Inc.	Software enables companies to monitor, analyze and manage energy costs and consumption.	http://www.itron.com
GLASTRUCT	Carli Inc	Program analyzes structural performance of glass and glazing systems based on industry standard ASTM E1300-02.	http://www.fenestration.com
FENSIZ	Carli Inc	Software tabulates thermal transmittance (U-factor), solar heat gain coefficient (SHGC), and visible transmittance (VT) of a window, curtain wall, skylight, or other fenestration product.	http://www.fenestration.com
VIP+	Strusoft AB	Program calculates the whole-building's energy, environmental, and economic performance for a full year.	http://vip.strusoft.com

F E M P M O N T H L Y U P D A T E

Technology	Manufacturer	Manufacturers Claim	Contact
Design Advisor	Massachusetts Institute of Technology	Website contains building energy simulators. Simulators model energy, comfort, and daylighting performance, and provide estimates for long-term cost of utilities.	http://designadvisor.mit.edu
MISCELLANEOUS			
Worldview and Balanced	Mannington Commercial	Carpets made from Type 6,6 nylon, provide long-term appearance, retention, and durability and meet the Carpet and Rug Institute's Green Label Plus Indoor Air Quality standards	http://www.mannington.com
ND-62RU1	Sharp Electronics Corp.	Poly-crystalline silicon PV roof module provides 62-watt of maximum power. Modules collect sun's energy, converts the energy into DC electricity and the inverter converts the electricity from DC to usable AC. Monitor allows user to view how the system is generating power and the net power usage.	http://solar.sharppusa.com/solar/home/0,2462,00.html
Ultrabond ECO 972	MAPEI	Floor-covering adhesives are low in TVOCs and incorporate an antimicrobial technology. Adhesives restrain the growth of a variety of odor- and stain-causing mold, mildew and bacteria in wet and dry regions.	http://www.mapei.com

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APPENDIX D

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **green**.

FEMP Training Calendar: [http:// www.eere.energy.gov/femp/newsevents/events.cfm](http://www.eere.energy.gov/femp/newsevents/events.cfm)

GENERAL ANNOUNCEMENTS

Date	Event	Sponsor	Topic	Website
October 3-6, 2005	Online Course: Compressed Air Systems – Systems Basics and Energy Efficiency Opportunities	Association of Energy Engineers (AEE)	Overview on compressed air systems, application in commercial and industrial facilities, and opportunities to improve performance and energy efficiency.	http://www.aeecenter.org
October 6, 2005	Online Course: Energy Auditing Fundamentals	Association of Energy Engineers (AEE)	Pre-audit work, site visit audit components, data analyses, savings opportunities, energy rates, software tools, and energy audit reports.	http://www.aeecenter.org
October 7, 2005	Online Course: Energy Auditing Fundamentals	Association of Energy Engineers (AEE)	Pre-audit work, site visit audit components, data analyses, savings opportunities, energy rates, software tools, and energy audit reports.	http://www.aeecenter.org
October 7, 2005	Online Course: Distributed Generation Short Courses, Course 1 - Microturbines	Association of Energy Engineers (AEE)	Functions, development history, vendors, applications, and economics of microturbines.	http://www.aeecenter.org
October 14, 2005	Online Course: Distributed Generation Short Courses, Course 2 – Fuel Cells	Association of Energy Engineers (AEE)	Functions, development history, model types, applications, economics, and future development of fuel cells.	http://www.aeecenter.org
October 31 – December 9, 2005	PV Design Online	Solar Energy Institute	Design a complete solar electric photovoltaic power system.	http://www.solarenergy.org/workshops/workshop.php?id=14

F E M P M O N T H L Y U P D A T E

Date	Event	Sponsor	Topic	Website
December 2, 2005	Online Course: Distributed Generation Short Courses, Course 1 - Microturbines	Association of Energy Engineers (AEE)	Functions, development history, vendors, applications, and economics of microturbines.	http://www.aeecenter.org
December 9, 2005	Online Course: Distributed Generation Short Courses, Course 2 – Fuel Cells	Association of Energy Engineers (AEE)	Functions, development history, model types, applications, economics, and future development of fuel cells.	http://www.aeecenter.org
December 19, 2005	Online Course: Energy Auditing Fundamentals	Association of Energy Engineers (AEE)	Pre-audit work, site visit audit components, data analyses, savings opportunities, energy rates, software tools, and energy audit reports.	http://www.aeecenter.org
December 20, 2005	Online Course: Energy Auditing Fundamentals	Association of Energy Engineers (AEE)	Pre-audit work, site visit audit components, data analyses, savings opportunities, energy rates, software tools, and energy audit reports.	http://www.aeecenter.org
February 13 – April 7, 2006	Solar Home Design Online	Solar Energy Institute	How-to-build energy efficient sustainable homes.	http://www.solarenergy.org/workshops/workshop.php?id=15

FEMP MONTHLY UPDATE

CENTRAL

Date	Event	Sponsor	Topic	WEBSITE
October 18-19, 2005	Federal Utility Partnership Working Group Rapid City, SD	Department of Energy's Federal Energy Management Program	Cost-effective energy efficiency, water conservation, and renewable energy projects at Federal sites.	http://www.eere.energy.gov/femp/financing/uescs_fupwgmeetings.cfm
October 24-26, 2005	Tenth National Green Power Marketing Conference Austin, TX	Department of Energy, EPA, Center for Resource Solutions, Austin Energy, Green Mountain Energy, Community Energy, and Sterling Planet	Best practices in green power product design, effective marketing strategies and tools for acquiring customers, defining renewable energy attributes and values, using green premiums to finance renewable energy projects, and the interplay of voluntary and compliance markets.	http://www.eere.energy.gov/greenpower/conference
October 26-28, 2005	EEBA 2005 Excellence in Building Conference & Expo Colorado Springs, CO	Energy and Environmental Building Association	Water management systems, HVAC systems and testing, enclosure design elements, Energy Value Housing Awards, Leadership in Energy and Environmental Design, solar heating and water heating systems, green homes and durability, high performance green homes, exterior wall systems, indoor air quality, and green standards.	http://www.eeba.org/conference
November 8-9, 2005	Fundamentals of Energy/Electricity Futures, Options, and Derivatives Houston, TX	PGS Energy Training	Structuring profitable energy and electric power transactions; trading future contracts, swaps and physical energy contracts; basics of energy and electricity options, implications of energy high price volatility, and identifying energy and electric power assets options in disguise	http://www.pgseenergy.com/D201.html

FEMP MONTHLY UPDATE

MID-ATLANTIC

Date	Event	Sponsor	Topic	WEBSITE
October 5, 2005	Integrated Design and Green Globes™ System for Commercial Buildings Richmond, VA	Green Globes™	Comprehensive training on the Green Globes system, a web-based environmental design and rating system that fosters integrated design to help achieve high performing, energy efficient buildings	http://www.thegbi.com/commercial/greenglobes/register.htm
October 5-7, 2005	CEM Preparatory Course: Theory and Practice of Energy Efficiency and Green Buildings Atlantic City, NJ	Association of Energy Engineers	CEM Preparatory Course: Theory and Practice of Energy Efficiency and Green Buildings.	http://www.aeecenter.org
October 7-16, 2005	Solar Decathlon Washington, D.C.	Department of Energy's Energy Efficiency and Renewable Energy Office, National Renewable Energy Laboratory, American Institute of Architects, National Association of Homebuilders, BP DIY Network and Sprint.	Eighteen colleges and university teams showcase houses they designed and built demonstrating advantages of utilizing solar energy for heating, cooling, hot water, lights, and appliances.	http://www.eere.energy.gov/solar_decathlon
October 11-12, 2005	Implementing Renewable Energy Projects Washington, D.C.	Department of Energy's Federal Energy Management Program	Passive solar technologies for heating, cooling and daylighting; solar water heating; solar preheating of ventilated air; photovoltaic and wind systems for remote or grid-tied power; building integrated photovoltaic systems; ground-source heat pumps for heating and cooling; design of low energy buildings; and biomass for CHP and heating.	http://www.eere.energy.gov/femp/newsevents/events.cfm

FEMP MONTHLY UPDATE

Date	Event	Sponsor	Topic	WEBSITE
October 11, 2005	Fundamentals of Today's U.S. Electric Power Industry Philadelphia, PA	PGS Energy Training	Properties and terminology of electricity, overview of the electric service system, structure and function of the North American power grid, industry participants, open access power markets, control areas, electric generating units, and institutional energy brokers.	http://www.pgsenergy.com/E201.html
October 12, 2005	How to Buy, Sell, and Manage Natural Gas and Electricity Philadelphia, PA	PGS Energy Training	Developments in providing energy delivery and pricing options to end-users, strategies to protect companies from energy and electricity price and delivery risk, utilizing "Load Profiling" to optimize energy procurement and cost options, and working with energy marketers.	http://www.pgsenergy.com/G102.html
October 12-13, 2005	Fundamentals of Energy/ Electricity Futures, Options, and Derivatives Philadelphia, PA	PGS Energy Training	Structuring profitable energy and electric power transactions, trading future energy contracts, basics of energy and electricity options, implications of energy high price volatility, and identifying energy and electric power asset options.	http://www.pgsenergy.com/D201.html
October 13, 2005	Fundamentals of Utility Rates Philadelphia, PA	PGS Energy Training	Basic concepts of rates and analyses of gas and electric bills for residential, commercial, and industrial customers.	http://www.pgsenergy.com/R101.html
October 26, 2005	Department of Energy Management Awards Washington, D.C.	Department of Energy's Federal Energy Management Program	Annual award ceremony to recognize Federal officials and agencies for outstanding contributions in saving energy in Federal facilities and operations	http://www.eere.energy.gov/femp/about/dema.cfm

FEMP MONTHLY UPDATE

Date	Event	Sponsor	Topic	WEBSITE
October 27, 2005	Presidential Awards for Leadership in Federal Energy Management Washington, D.C.	Department of Energy's Federal Energy Management Program	Annual award ceremony honors Federal employees for supporting and leading efforts to promote and improve Federal energy management.	http://www.eere.energy.gov/femp/services/awards_presidential.cfm
November 2, 2005	Integrated Design and Green Globes™ System for Commercial Buildings Tysons Corner, VA	Green Globes™	Comprehensive training on the Green Globes system, a web-based environmental design and rating system that fosters integrated design to help achieve high performing, energy efficient buildings.	http://www.thegbi.com/commercial/greenglobes/register.htm
November 14-18, 2005	Natural Building & Renewable Energy Jessup, MD	Solar Energy Institute	Science of natural building materials, generating electricity for homes from solar, wind, and water power, solar rebate program, and tax incentives.	http://www.solarenergy.org/workshops/workshop.php?id=30
November 15, 2005	FEMP Lighting and Health Washington, D.C.	Department of Energy's Federal Energy Management Program	Correlation of lighting quality, biological health, eye health, and other employee health and safety issues with lighting energy efficiency and agency design standards.	http://www.eere.energy.gov/femp/newsevents/fullevent.cfm/events_id=1465
December 13-15, 2005	Distributed Energy Program PEER Review Crystal City, VA	Department of Energy's Distributed Energy Program	Review and evaluate mission, goals, and objectives of each program in reference to national policies and priorities.	http://www.eere.energy.gov/femp/newsevents/fullevent.cfm/events_id=1276

F E M P M O N T H L Y U P D A T E

Date	Event	Sponsor	Topic	WEBSITE
December 13-16, 2005	Sustainable Buildings Industry Council Ecobuild Federal Conference and Expo Washington, DC	Sustainable Buildings Industry Council, Delphi Company, Specifications Consultants in Independent Practice, Unisol, National Institute of Building Sciences, MechoShade, and Land Development Today	Latest trends and best practices in sustainability, environmental design and green buildings.	http://www.ecobuildfederal.com/about.shtml
January 26-27, 2006	Energy for a Sustainable and Secure Future Washington, DC	National Council for Science and the Environment	Produces and disseminates a detailed report of recommendations developed by conference participants.	http://www.ncseonline.org/NCSEconference

MIDWEST

Date	Event	Sponsor	Topic	WEBSITE
October 3, 2005	Inspiring Efficiency Awards Ceremony Chicago, IL	Midwest Energy Efficiency Alliance	Four categories of awards presented to organizations and companies that increased energy efficiency in the Midwest region.	http://www.mwalliance.org/energypros/activities/conference/2005/awards.php

FEMP MONTHLY UPDATE

Date	Event	Sponsor	Topic	WEBSITE
October 3-4, 2005	Midwest Energy Solutions Conference Chicago, IL	Midwest Energy Efficiency Alliance	World energy trends, sustainable energy policy efforts in the Midwest, natural gas policy, integrated gasification combined cycle, appliance efficiency standards, energy efficiency investments, energy efficiency and agriculture, inspiring efficiency awards reception, carbon emissions, emission credits, demand response, and rural and electric coop perspective.	http://www.mwalliance.org/energypros/activities/conference/2005
January 30-31, 2006	Better Buildings: Better Business Conference Wisconsin Dells, WI	Wisconsin Energy Star Homes, Energy Center of Wisconsin, and others	Strategic business practices, building performance for existing and new construction, heating, ventilating, air conditioning, health issues, managing moisture, implementing green and renewables, and emerging technologies.	http://www.ecw.org/betterbuildings

NORTHEAST

Date	Event	Sponsor	Topic	WEBSITE
October 13, 2005	Process Heating Assessment, End-User Training Workshop Worcester, MA	Department of Energy, NSTAR Electric Gas, Massachusetts Electric, and Western Massachusetts Electric	Introduction to process heating and process heating equipment and the Process Heating Assessment and Survey Tool (PHAST).	http://www.maeep.org/events/phast05.htm
October 25-27, 2005	6th Annual WADE Meeting / CHP Roadmap Workshop New York, NY	Department of Energy's Federal Energy Management Program	Track progress of CHP implementation in the U.S. toward the CHP Challenge Goal set in 1998.	http://www.eere.energy.gov/femp/newsevents/event_s.cfm

F E M P M O N T H L Y U P D A T E

Date	Event	Sponsor	Topic	WEBSITE
October 26-27, 2005	6th Annual CHP Roadmap Workshop New York, NY	Department of Energy and Environmental Protection Agency	Assess national progress toward 2010 goal of doubling CHP capacity in the U.S.	http://www.internationalchp-de.net
November 30, 2005	Scientific Innovations in Distributed Generation Boston, MA	TFI Learning and CIGRE	Renewable and alternative energy sources and devices, storage and heat management, systems integration and impact of DG on the transmission grid, interconnection and islanding operation, economics and market, developers and users, and policy drivers.	http://www.tfilearning.com/tfi/c/portal_public/layout?p_1_id=27.23

SOUTHEAST

Date	Event	Sponsor	Topic	WEBSITE
November 7-8, 2005	Building Materials Reuse and Recycling: Decon '05 Conference Atlanta, GA	U.S. EPA Region 9, Used Building Materials Association and many others.	Deconstruction, building materials reuse, and construction and demolition debris recycling.	http://www.doi.gov/greening/buildings/buildingconf.html
November 9-11, 2005	Greenbuild International Conference & Expo Atlanta, GA	U.S. Green Building Council	Facilities management, government, green building activities, schools, international activities, Leadership in Energy and Environmental Design, new research, sustainable design and engineering.	http://www.greenbuildexpo.org

WESTERN

Date	Event	Sponsor	Topic	WEBSITE
October 8, 2005	Introduction to Renewable Energy Guemes Island, WA	Solar Energy Institute	Generating electricity through solar, wind, and water power systems and the solar rebate program.	http://www.solarenergy.org/workshops/workshop.php?id=20

FEMP MONTHLY UPDATE

Date	Event	Sponsor	Topic	WEBSITE
October 17, 2005	High Performance, Low-Energy Laboratory Design Portland, OR	Department of Energy's and Environmental Protection Agency's Laboratories for the 21st Century Program	Architecture and engineering of high performance laboratories, air supply and distribution systems, laboratory exhaust systems and devices, controls and commissioning, lighting strategies, green design and emerging rating systems, case studies, resources, and tools.	http://www.eere.energy.gov/femp/newsevents/events.cfm
October 18-20, 2005	Laboratories for the 21st Century (Labs21) Annual Conference Portland, OR	Department of Energy's and Environmental Protection Agency's Laboratories for the 21st Century Program	High-performance, low-energy laboratory design, onsite power, renewable energy applications, and new technologies.	http://www.eere.energy.gov/femp/newsevents/events.cfm
October 23, 2005	PV 101 Basic On-Grid Photovoltaics Hopland, CA	Solar Living Institute	Basics on how grid tie solar works, typical system designs for small grid tied photovoltaic systems, different grid options, siting, sizing, incentives, and cost analysis.	http://store.solarlivingstore.com/pv10baonph23.html
November 2-4, 2005	CEM Preparatory Course: Theory and Practice of Energy Efficiency and Green Buildings San Francisco, CA	Association of Energy Engineers	CEM Preparatory Course: Theory and Practice of Energy Efficiency and Green Buildings.	http://www.aeecenter.org
November 14-18, 2005	Photovoltaic Design and Installation San Diego, CA	Solar Energy Institute	Utilizing practical design and installation of PV (photovoltaic) technology to produce electricity.	http://www.solarenergy.org/workshops/workshop.php?id=3

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